

AMENDMENTS TO THE CLAIMS

1-3. (Canceled)

4. **(Previously presented):** A method for treating an inflammatory bowel disease, wherein the inflammatory bowel disease is ulcerative colitis or Crohn's disease, said method comprising administering an effective amount of polypeptide belonging to a thioredoxin superfamily to a patient in need of the inflammatory bowel disease treatment.

5. **(Previously presented):** The method according to Claim 4, wherein the effective amount is 1-100 mg of thioredoxin per kg body weight of a human adult.

6-8. (Canceled)

9. **(Previously presented):** The method according to Claim 4, wherein the thioredoxin superfamily is an isolated peptide having thioredoxin (TRX) activity and including the sequence -Cys-Gly-Pro-Cys- (SEQ ID NO:1).

10. **(Previously presented):** The method according to Claim 4, wherein the thioredoxin superfamily is in reduced form.

11. **(Previously presented):** The method according to Claim 4, which is in the form of solution or suspension.

12. **(New)** The method according to Claim 4, wherein the polypeptide belonging to the thioredoxin superfamily is human thioredoxin.